

Cold Climate Issues Working Group (CCIWG) – Thursday breakout session

Thank you to the 11 participants in the breakout session!

New CCIWG Chair:

- Outgoing: Chuck Long
- Incoming: Chris Cox

Questions/topics/problems

- Trouble with satellite validation in polar (ice/snow?) and high altitude (spatial representation?)
- Guidelines for time-averaging
- Summit Station status
- Tracker heating influence on measurements
- Calibration frequency

List of Year of Polar Prediction contributions (mid-2017 to mid-2019)

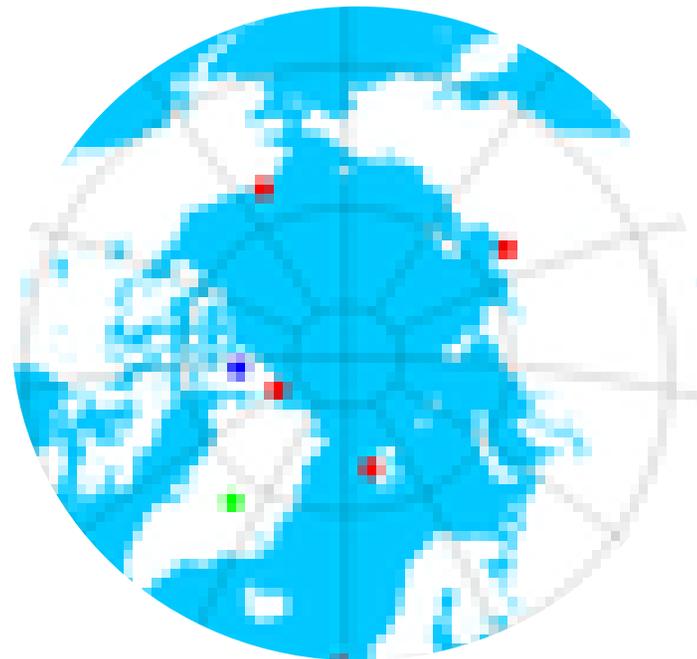
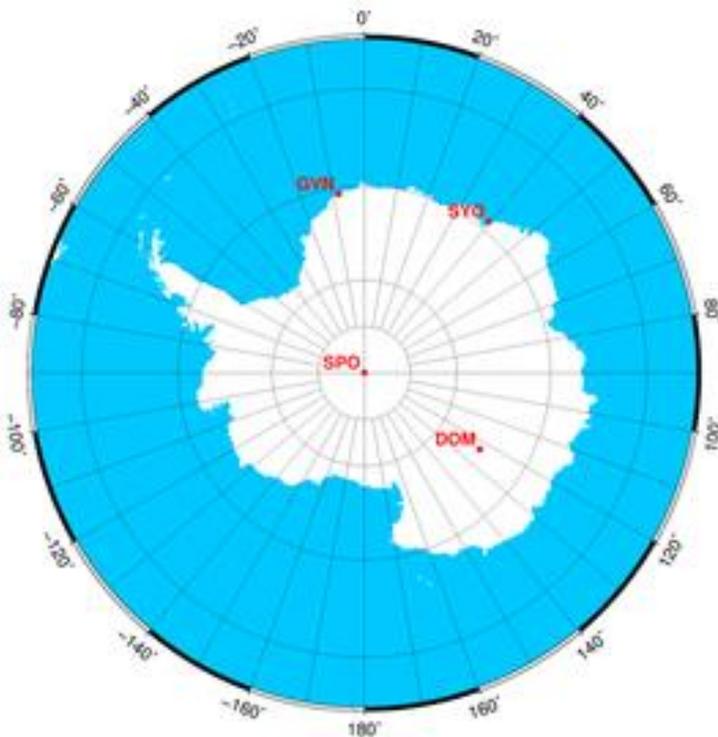
MISSION

Enable a significant improvement in environmental prediction capabilities for the polar regions and beyond, by coordinating a period of intensive observing, modelling, verification, user-engagement and education activities.

YOPP Goal #1

Ensure polar BSRN stations caught up in archive (8-10 stations)
all data current within 1 month

- may require later re-submission of final processed data sets
- Gert will get the email discussion going
- need to advertise this to increase BSRN exposure



YOPP Goal #2

How comparable are the polar BSRN stations?



Traveling intercomparison station:

- Simple “plug and play” design
- Shipped to remote BSRN stations
- Operated by on-site personnel
- A common reference to facilitate inter-site comparisons
- Towards a traveling calibration standard?

YOPP Goal #3

Ice mitigation strategy intercomparison campaign

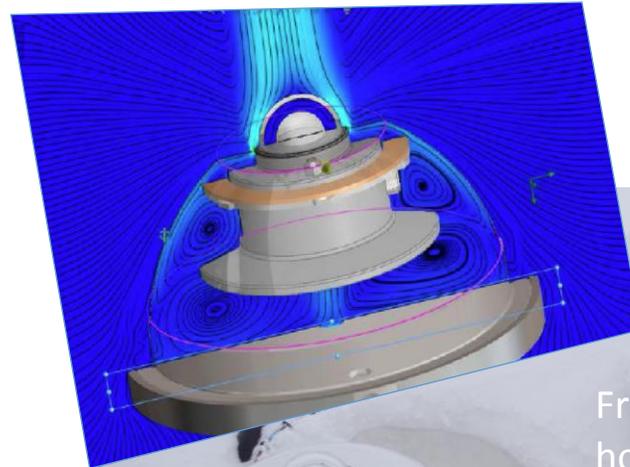
- Large number of solutions being developed in parallel
- How well do the various strategies work?
- What, if any, negative impacts are there on the integrity of the measurements?
- Barrow, Alaska, may be a suitable location with capacity to host
- Chris and Chuck will begin to outline a plan

“Icing” of domes can be from rime, frost, or snow

Summit, Greenland



Eureka, Canada



Frost on standard housings



Modified housing ice free

